Erratum: Local potential model of the Hoyle band in ^{12}C [Phys. Rev. C 87, 024304 (2013)]

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The calculations reported in the original paper were carried out with the potential described in Ref. [1] by using geometric forms and parameter values given in Eqs. (5)–(7) of that latter reference. We have misquoted [2] the depth of the nuclear potential in Eq. (4) of the original paper as

$$V_0 = \left(\frac{A_1 A_2}{A_1 + A_2} \right) v_0, \tag{4}$$

whereas, it should have been

$$V_0 = \frac{\left(\frac{A_1 A_2}{A_1 + A_2 - 1} \right) v_0}{\left\{ \frac{x}{[1 + \exp(-R_0/a)]} + \frac{1 - x}{[1 + \exp(-R_0/3a)]^3} \right\}}, \tag{1}$$

with all numerical values for the parameters given in the original paper. All other equations remain unchanged, and since Eq. (1) was the form of the potential depth actually used, the numerical results that derive from them are unaffected.

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[1] B. Buck, A. C. Merchant, and S. M. Perez, Nucl. Phys. A **614**, 129 (1997).

[2] E. J. du Toit (private communication).